

POLINOV, S.A.

Calculation of the seasonal costs of electric power for pump
operated irrigation systems (ENO). Izv.AN Uz.SSR Ser.tekh.
nauk no.5:19-33 '60. (MIRA 14:9)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.
(Irrigation--Estimates and costs)
(Pumping machinery, Electric)

POLINOV, S.A.

Principal electric power factors involved in irrigating from
electric pumps. Izv. AN Uz. SSR. Ser. tekhn. nauk no.5:25-32
'59. (MIRA 13:3)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.
(Electricity in agriculture) (Irrigation)

Polinov-Skul'skiy, M.D.
POLINOV-SKUL'SKIY, M.D.

Accounting for production and calculating costs on collective farms.
Nauch.zap.od.kred.-ekon.inst. 6:3-30 '56. (MIRA 11:1)
(Collective farms--Costs)

F

4956. INVESTIGATION OF DISINTEGRATION OF DIFFERENT REFRACTORIES
IN INTAKE FLUES OF BURNERS OF TANK FURNACES. Polinovskaya
Al, Savinov, VT, and Solomin, VN. (Steklo i Keram. (Glass
and Ceram.), Apr. 1950, vol. 7, 16-20). Service lives
of different refractory types were investigated for the
above application. Composition of volatiles and condensates
was also studied. Presence of chlorides and fluorides,
added to sodium sulphate, in the vol tiles and condensates
explains their corrosive action. Data are tabulated.
Method of investigation is described.

BLR

ASB-51.4 METALLURGICAL LITERATURE CLASSIFICATION

POLINOVSKIY, N.M.

SONKINA, A.P.; POLINOVSKIY, N.M., kandidat meditsinskikh nauk

Result of health education work among mothers of children boarded
in nurseries. *Pediatrics* 39 no.5:68-71 S-O '56. (MLRA 10:1)

(MATERNAL WELFARE,

educ. of mothers of child. boarded in nurseries (Rus))

L 2 631-66 EPF(n)-2/EWT(1)/EWT(m)/ETC(m)-6/T WW/DJ

ACC. NR: AP6011273

SOURCE CODE: UR/0413/66/000/006/0131/0131

INVENTOR: Polinovskiy, A. Yu.; Moskovskiy, V. D.

ORG: none

TITLE: Multicircuit centrifugal pump. Class 59, No. 180091

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 131

TOPIC TAGS: pump, centrifugal pump

ABSTRACT: The proposed pump has a common inlet and individual outlets for each

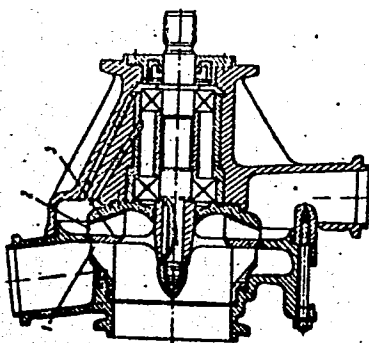


Fig. 1. Centrifugal pump //

1 and 2 - Impeller elements;
3 - rotor.

Card 1/2

UDC: 621.67

L 20631-66

ACC NR: AP6011273

circuit. To reduce its size and weight, the circuit impeller elements are made as a single rotor (see Fig. 1). Orig. art. has: 1 figure. [TN]

SUB CODE: 13 SUBM DATE: 20Jan65/ ATD PRESS: 4225

Card 2/2

ACC NR: AP6025677

SOURCE CODE: UR/0413/66/000/013/0146/0146

INVENTORS: Polinovskiy, A. Yu.; Veselovskiy, V. V.

ORG: none

TITLE: A constant RPM drive. Class 62, No. 183603

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 146

TOPIC TAGS: hydraulic equipment, hydraulic engineering, alternating current, aircraft electric power equipment, mechanical power transmission

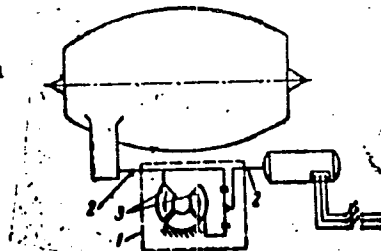
ABSTRACT: This Author Certificate presents a constant RPM drive for systems operating on alternating current of constant frequency. For example, it can be used for feeding electric assemblies of aircraft containing a mechanical drive, a generator, and an intermediate transmission (see Fig. 1). To improve the technical and economic features of the system, its intermediate transmission is made in the form of a hydro-mechanical drive including a mechanical and a hydromechanical transmission working in parallel.

UDC: 629.13.01/06

Card 1/2

ACC NR: AP6025677

Fig. 1. 1 - hydromechanical drive; 2 - mechanical transmission; 3 - hydrodynamic transmission



Orig. art. has: 1 figure.

SUB CODE: 13// SUBM DATE: 29Apr65

Card 2/2

I 34818-66 EWT(1)/EWT(m)/T-2 WW/DJ/WE SOURCE CODE: UR/0413/66/000/011/0141/0141
ACC NR: AP6021491 44

INVENTOR: Yasinskiy, S. Ya.; Polinovskiy, A. Yu.; Linets, A. M.; Moskovskiy, V. D. 42
B

ORG: none

TITLE: Aircraft-engine fuel-feed system. Class 62, No. 182531 22)

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 141

TOPIC TAGS: aircraft engine, aircraft fuel system

ABSTRACT: An Author Certificate has been issued for an aircraft-engine fuel-feed system which consists of: a tank, an ejector pump²² with a jet nozzle, and an electrically driven pump for the first pumping stage; a centrifugal pump for the second

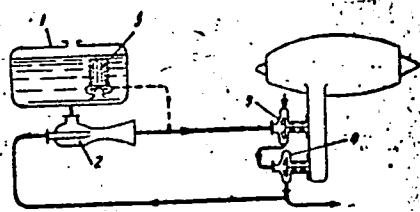


Fig. 1. Aircraft fuel-supply system

1 - Fuel tank; 2 - ejector pump; 3 - centrifugal pump; 4 - booster pump; 5 - electrically driven pump.

pumping stage; a booster pump having a by-pass with a constant flow rate for using

Card 1/2

UDC: 629.13.06

ACC NR: AP6035928

SOURCE CODE: UR/0413/66/000/020/0194/0194

AUTHOR: Arinushkin, L. S., Dumov, V. I. / Knyshev, V. A. / Moskovskiy, V. D. / Polinovskiy, A. Yu. / Sharov, Yu. A.

ORG: none

TITLE: Pump unit for two-circuit fuel systems for power plants

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no.20, 1966, 194

TOPIC TAGS: pump, ^{engine} fuel system, ~~two circuit fuel system~~, fuel feed system,

^{engine fuel pump}
ABSTRACT: The proposed pump unit consists of a pump with a low pressure circuit and a pump with a high pressure circuit. To improve its efficiency and to decrease the system's size and weight, the impellers of both pumps are mounted on a common shaft and an annular collector is positioned between the impellers; the collector is connected by ducts to the low pressure pump outlet duct and to the high pressure pump inlet cavity. In order to improve the anticavitional characteristics of the unit, a variation of this unit is made so that the fuel by-pass from the high pressure circuit runs through a duct which is positioned tangentially to an annular chamber located at the unit inlet. (see Fig.1).

Card 1/2

L 10779-66 EWT(d)/FSS-2/EWT(1)/EWP(f)/EWP(c)/T/FCS(k)/ETC(m) WWT
 ACC NR: AP6001007
 INVENTOR: Arinushkin, L. S.; Polinovskiy, A. Yu.; Nosotsev, I. M.
 SOURCE CODE: UR/0286/65/000/022/0078/0078
 ORG: none

TITLE: Locking device for moving parts of mechanisms. Class 47, No. 176472
 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 78

TOPIC TAGS: valve, valve design, liquid rocket engine

ABSTRACT: This Author Certificate introduces a locking device for moving parts of mechanisms, such as liquid-rocket engine valves, containing a rod with a sealing cone controlled by a pneumatic device (see Fig. 1). To ensure two-way action of the

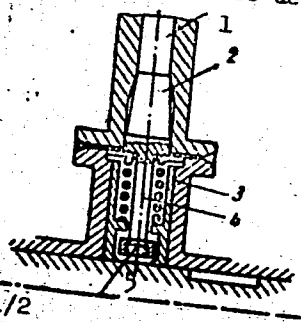


Fig. 1. Locking device for moving parts

- 1 - Rod controlled by a pneumatic cylinder;
- 2 - sealing cone; 3 - spring-loaded bushing;
- 4 - thin rod; 5 - head.

Card

1/2

UDC: 621.646.983

L 10779-66

ACC NR: AP6001007

device, it is equipped with a spring-loaded bushing, which is coupled concentrically with the stem of a rod. This stem is made in the form of a thin rod with a head which disengages for the repeat action. Orig. art. has: 1 figure. [TN]

SUB CODE: 21/ SUBM DATE: 29Oct64/ ATD PRESS: 4168

CC
Card 2/2

ACC NR: AP602908C

SOURCE CODE: UR/0413/66/000/014/0143/0144

INVENTOR: Polinovskiy, A. Yu.; Veselovskiy, V. V.

ORG: none

TITLE Centrifugal pump. Class 59, No. 184134

SOURCE: Isobret. prom. obrat. tov. zn., no. 14, 1966, 143-144

TOPIC TAGS: pump, centrifugal pump, hydrodynamic transformer, *hydraulic device,*
turbine wheel

ABSTRACT: The proposed centrifugal pump contains a basic pumping unit and a stage with a hydraulic drive. To increase its efficiency and its anticavitation characteristics, the hydraulic drive is made in the form of a hydrodynamic transformer,

Cord -1/2

UDC: 621.67-82

L 47375-66

ACC NR: AP6029080

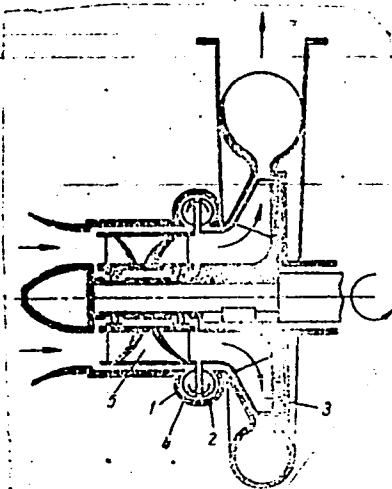


Fig. 1. Centrifugal pump

- 1 - Hydrodynamic transformer;
- 2 - hydrodynamic transformer impeller;
- 3 - basic pumping unit; 4 - hydrodynamic transformer turbine wheel;
- 5 - connected stage.

whose impeller is rigidly connected to the basic pumping unit, while the turbine wheel is coupled to the connected stage (see Fig. 1). Orig. art. has: 1 figure. [AV]

SUB CODE: 21/ SUBM DATE: 23Feb65/

2/2 mjs

ACC NR: AP6035929

(A)

SOURCE CODE: UR/0413/66/000/020/0194/0195

INVENTOR: Arinushkin, L. S.; Polinovskiy, A. Yu.; Glozman, Ye. A.; Drozdov, N. G.;
Lopukhov, K. K.

ORG: none

TITLE: Centrifugal pump unit. Class 59, No. 187528

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966,
194-195

TOPIC TAGS: pump, centrifugal pump, engine fuel pump, aircraft fuel pump

ABSTRACT: An Author Certificate has been issued for a centrifugal pump unit for an
aircraft fuel system, which consists of a housing (stator), oscillating assembly
(rotor) mounted on a shaft, and an electric motor. To reduce the danger of fire
and explosion, the pump's rotating and stationary parts are connected electrically.

[WA-98]

SUB CODE: 01, 13/ SUBM DATE: 27Apr64

Card 1/1

UDC: 621.67

ACC NR: AP7001460

(A)

SOURCE CODE: UR/0413/66/000/021/0211/0212

INVENTOR: Arinushkin, L. S.; Dumov, V. I.; Luchkin, S. M.; Polinovskiy, A. Yu.;
Sharov, Yu. A.

ORG: none

TITLE: Self-priming centrifugal-pump assembly. Class 59, No. 188308

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 211-212

TOPIC TAGS: aircraft fuel pump, axial pump, fluid pump, centrifugal pump, engine
fuel pump

ABSTRACT: This Author Certificate introduce a self-priming centrifuge pump for fuel systems such as those used in aircraft. A common casing contains a main centrifugal pump and an auxiliary fluid-flow ring pump. The discharge cavity of the latter connects with the fuel tank. The intake chamber of the fluid-flow ring pump is connected to the forechamber of the main pump rotor by means of a channel which encircles, for instance, the hub of the main rotor, and another channel in the casting connects the functional chamber of the ring pump to the discharge cavity of the main pump. This arrangement improves the anticavitation properties of the

UDC: 621.67-112

Card 1/2

POLINOVSKIY, V., inzh.; FROLOVICH, E., inzh.

Device for remote control of elevator mechanisms. Muk.-elev.
prom. 28 no.10:5-6 0 '62. (MIRA 16:1)

1. Odesskiy proyektno-konstruktorskiy institut pishchevoy
promyshlennosti.
(Grain elevators) (Remote control)

POLINOVSKIY, V., inzh.

Automatic remote control of dump carts in grain elevators. *izv.*-
elev. prom. 28 no.2:7-8 F '62. (MIRA 15:3)

1. Odesskiy proyektno-konstruktorskiy institut Pishcheprom.
(Grain elevators) (Automatic control)

VARFOLOMEYEV, D.F.; BUGAY, Ye.A.; DUDIN, V.N.; ZAGRYATSKAYA, L.M.; ANTIPIN,
M.K.; MARKINA, A.I.; POLINSKAYA, M.R.;

Recovering spent caustic using flue gases. Trudy Bash NIINP no.5:
319-322 '62. (MIRA 17:10)

1. Ordena Lenina Ufimskiy neftepererabatyvayushchiy zavod.

USSR/Human and Animal Physiology. Nervous System.
Higher Nervous System. Behavior.

T

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93662.

Author : Kurkchiy, M.F., Polinskaya, V.I., Kurkchiy, L.M.

Inst : Cherkask State Pedagogical Institute.

Title : The Problem of the Influence of Fine Differentiation on
Subsequent State of the Nervous System.

Orig Pub: Nauk, zap. Cherkas'k. derzh. ped. in-t, 1957, 11, 327-
334.

Abstract: After application of fine differentiations to conditioned salivary reflexes in food reinforcement during 2 - 5 days in 3 dogs there appeared a gradual inhibition of all the earlier elaborated reactions, a decrease in the extent of positive reactions, or a chaotic occurrence of positive and inhibitory reactions. The duration

Card : 1/2

POLINSKAYA, Ye.D. [Polins'ka, IE.D.]

Preventing complications during pregnancy and labor in women with hypotension. Ped., akush. i gin. 19 no.6:55-58 '57.

(MIRA 13:1)

1. Ukfainskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva im. Geroya Sovetskogo Soyuza prof. P.M. Buyko (nauchnyy rukovoditel' - prof. S.P. Vinogradova, direktor - zasluzh.vrach USSR M.D. Burova) i 3-ya ob'yedinennaya gorodskaya bol'nitsa (glavnyy vrach - T.P. Novikova).

(HYPOTENSION) (PREGNANCY, COMPLICATIONS OF) (LABOR, COMPLICATED)

POLINSKIY, S.L., inzh.; PLOTNIKOV, I.V., kand. tekhn. nauk; PAVLOV, S.A.,
doktor tekhn. nauk, prof.

Synthesis and investigation of hydrophilic polyester urethanes.
for the manufacture of artificial leather with high hygienic
properties. Izv. vys. ucheb. zav.; tekhn. leg. prom. no.5:
31-36 '63. (MIRA 16:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut plenochnykh
materialov i iskusstvennoy kozhi (for Polinskiy, Plotnikov).
2. Moskovskiy tekhnologicheskoy institut legkoy promyshlennosti
(for Pavlov).

POLINSKIY, S.L., inzh.; PLOTNIKOV, I.V., kand. tekhn. nauk; PAVLOV, S.A.,
doktor tekhn. nauk, prof.

Synthesis and investigation of hydrophilic polyester urethanes
for the manufacture of artificial leather with high hygienic
properties. Izv. vys. ucheb. zav.; tekhn. leg. prom. no.4:
54-64 '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut plenochnykh
materialov i iskusstvennoy kozhi (for Polinskiy, Plotnikov).
2. Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti
(for Pavlov).

VERB, Iosif Men'eloyevich; GOLINSKIY, S.L., inzh., retirement;
ELAKHOVSKAYA, L.M., red.

[Modern methods for the manufacture of protective clothing
from plastic films] Sovremennyye sposoby izgotovleniya spetsial'noi odezhdy iz plenki. Moskva, Izd-vo "Legkaya industriia," 1964. 130 p. (SIRA 1747)

L 11416-63

EPR/EWP(j)/EPF(c)/EWT(m)/BDS

AFPTC/ASD Ps-4/Pc-4/Pr-4
S/032/63/029/005/008/022

RM/WW

73

AUTHOR: Khoroshaya, Ye.S., Lykova, A.N., Liberova, R.A. and Polinskiy, S.L.

TITLE: Quick analysis of free hydroxyl groups in polyesters

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 5, 1963, 549

TEXT: The proposed quick method is applicable to solutions of polyesters based on dicarboxylic acids and glycols, used to make polyurethane foams, glues and varnishes. The method consists of acetylation of the polyester and titration of the excess acetic anhydride.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut plenochnykh materialov i iskusstvennoy kozhi (All-Union Scientific Research Institute of Film Materials and Artificial Leather)

ja/ch
Card 1/1

KHOROSHAYA, Ye.S.; LYKOVA, A.N.; LIBEROVA, R.A.; POLINSKIY, S.L.

Rapid determination of free hydroxyl groups in polyesters. Zav.lab.
29 no.5:549 '63. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut plenochnykh
materialov i iskusstvennoy kozhi.
(Esters) (Hydroxyl group)

LEVENKO, Petr Ivanovich; POLINSKIY, S.L., retsenzent; GRACHEVA, A.V.,
red.; ZOLOTAREV, I.Z., ~~retsenzent~~ red.

[Use of the LZ-5 plasticizer in the manufacture of leather
and industrial fabrics] Primenenie plastifikatora LZ-5 pri
proizvodstve kozh i tekhnicheskikh tkanei. Moskva, Gizleg-
prom, 1963. 28 p. (MIRA 16:9)
(Plasticizers) (Leather) (Textile fabrics)

20489

S/191/61/000/003/013/015
B124/B203

15.8220

2209

AUTHORS: Kogan, L. M., Safray, B. A., Dinzburg, B. N., Polinskiy, S.L.

TITLE: New incombustible plasticizers of PVC

PERIODICAL: Plasticheskiye massy, no. 3, 1961, 67-69

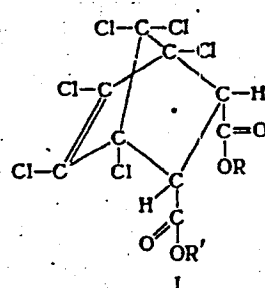
TEXT: As is known, the compatibility with PVC rises with the polarity of the plasticizer, whose efficiency is determined by the aliphatic and also by the cyclic part of its molecule. Esters with several chlorine atoms in the molecule are of interest in this connection. Direct chlorination of the ester or of the corresponding acid is, however, difficult; the synthesis of these compounds is simpler from compounds containing chlorine in the molecule, particularly from acids of polycyclic structure with several chlorine atoms, and from aliphatic alcohols. As PVC plasticizers, the authors synthesized and tested the diesters of 1,4,5,6,7,7-hexachloro bicyclo-(2,2,1)-5-heptene-2,3-dicarboxylic acid (so-called chlorendic acid) and of aliphatic alcohols. They called these compounds dialkyl chlorendates. Dialkyl chlorendate molecules have the following structure:

Card 1/03

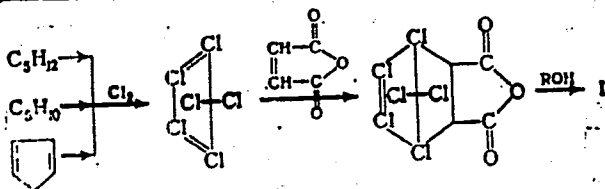
New incombustible plasticizers of PVC

20489

S/191/61/000/003/013/015
B124/B203



The synthesis of such a compound can be represented as follows:



Chlorine and petroleum hydrocarbons are initial substances for the new

Card 2/03

LEGOSTAYEV, Nikolay Nikitovich; MONASTYIRSKAYA, M.S., kandyd. tekhn.
nauk, retsenzent; POLIKSETY, S.L., nauchn. red.

[Technology of artificial leather on a fabric base] Tekhnologiya iskusstvennoi kozhi na tkanovoi osnove. Moskva, Legkaia industriia, 1965. 267 p. (MIRA 18:3)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
CA Production of alumina from materials high in silica. Károly Polinszky. <i>Magyar Tech., Suppl. Anyag</i> 1, 1-3 (1947).—Description of methods of manuf. with 5 refer- ences. István Finály																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									

7

C.A.

Dehydration of Hungarian bauxites. *Iósef Varga and Károly Pollusky (Univ. Tech. Sci., Budapest, Hung.), Magyar Kém. Lapja 4, 589-62 (1949).* Hungarian bauxites generally contain 18-20% hygroscopic and 10-20% cryst. moisture. Six bauxite samples were treated at 5-350 atm. pressure in gas-heated rotating autoclaves. Ignition expts. were made separately with the same samples to show the rate of water removal. In the case of alum earth hydrate this process seems to take place in two steps. Hydrargillite begins to change into böhmite at about 240° and this is the first step in the loss of water. The second step occurs at about 470° when böhmite changes into corundum and another portion of water evaps. The effect of dehydration on the decompn. of bauxite by means of alkalies was also investigated. Dehydration at 20 atm. pressure for 30 min. had no adverse effects. Expts. with dehydrated bauxite samples proved that they did not contain more than 1.5-3.0% hygroscopic H₂O after storing for 1 month, this shows that dehydrated bauxite does not reabsorb water. Dehydration at high pressure (200 atm.) gives reliable information as to whether the bauxites can easily be decompd. by the Bayer process. The rate of water loss during dehydration serves as a basis for evaluation. The obtained data are quite exact for ores consisting chiefly of trihydrates. For bauxites of the monohydrate type the information is only approx. 1. Finally

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
POLINSZKY, K.																										35																									
MAGYAR TECHNIKA HUNGARIAN ENGINEERING 1951 No. 4, April																																																			
<i>K. Polinszky</i> <i>and A. Hetezde</i> <i>Utilization of sewage and waste water</i> 34 38																																																			
ASB-11A METALLURGICAL LITERATURE CLASSIFICATION																																																			
SEARCHED YES NO INDEXED YES NO ABSTRACTED YES NO FILED YES NO																																																			

POLLOCK, R.,

JOURNAL OF THE ACADEMY
(AKADEMIAT MEMPASITO)

Hungarian Academy of Sciences, Budapest, Hungary

Number 513, Sept-Oct. 1955

TABLE OF CONTENTS

AUTHOR:

PT:015

PAGE NO.

K. POLINSKI

"The First Hungarian-Czechoslovakian Polarographic Conference at VESPREM"

307

~~CONFIDENTIAL - CIA, NSA, FBI, and other agencies~~
 Apr. Oct. 1955, Unclassified.

POLINSZKY, K.

Magyar Kemikusok Lapja - Vol. 10, no. 5, May 1955.

Present situation and timely questions of the higher education of chemists. p. 134.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

POLINSZKY, K.

1st Hungarian-Czechoslovak Conference on Polarography. p. 293. Magyar
Kémikusok Lapja. Vol. 10, no. 9, Sept. 1955

Source: East European Accessions List, (EEAL), 1c, Vol. 5, No. 2, Feb. 1956

POLINSZKY, K.

Thoughts about the Borsod Chemical Combine upon the inauguration of its operations, p. 193, MAGYAR KEMIKUSOK LAPJA, (Magyar Kemikusok Egyesulete) Budapest, Vol. 11, No. 7, July 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

POLINSZKY, K.

POLINSZKY, K. - Chemical laboratories; e excerpts from an article.
p. 226, Vol. 11, no. 8, Aug. 1956
MAGYAR KEMIKUSOK LAPJA, Budapest, Hungary

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

FOLINSZKY, K. and others

Contribution to the technological preparation of Paris blue. p. 98
(Chemicke Zvesti Vol. 11, no. 2 February 1957) Bratislava

SO: Monthly List of East European Accession (EEAL) LC Vol. no. 7 July 1957. Uncl.

POLINSZKY, Károly

W S R
/ Report of the chief committee of the Hungarian Scientific Academy on inorganic chemical technology for 1953.
Károly Polinszky. Magyar Tudományos Akad. Kém. Tudományok Osztályának Közleményei 5, 265-78(1954).
The committee was entrusted with the development of the inorg. chem. industry in Hungary. The accomplishments are covered in general terms. A. Illis

POLINSZKY, KAROLY

V Fusion silicates. KAROLY POLINSZKY AND BELA LACSEN.
Magyar Tech. 9:14 216-19 (1954); abstracted in *Chem. Zentr.*
 M.T. 126: [22] 5153 (1955).—The natural silicate rocks, basalt and
 granite, are difficult to shape; after melting, the original crystal-
 line structure is lost and can be restored only with difficulty. The
 Hungarian basalts and diabases are still more difficult as they
 contain less SiO_2 and Fe_2O_3 , and also contain Al_2O_3 . The authors
 therefore tried to make such substances from molten blast-furnace
 slag with certain additions. After melting, the mixture was
 cooled, machined in the vitreous state, and made crystalline
 again by heat-treatment. Such material is nonporous, coarsely
 or finely crystalline depending on the heat-treatment, and per-
 fectly homogeneous. It is insensitive to temperature fluctua-
 tions of 150° to 180° and has an expansion coefficient of 70×10^{-7} ,
 a compressive strength of 8000 kg./cm.², and a Rockwell hardness
 of 64 to 66. It is very resistant to HCl and concentrated HNO_3
 and is insoluble in H_2SO_4 . It is cast into plates like plate glass
 and has a dielectric breakdown of 10 kv./mm. M.H.

①

POLINSZKY, Karloly, a kémiai tudományok kandidátusa (Veszprem)

Achievements and tasks of Veszprem University of the Chemical
Industry in the development of the Hungarian science and industry.
Kem tud kozl MTA 14 no.43431-444 '60. (EEAI 10:3)

1. Veszpremi Vegyipari Egyetem.
(Hungary--Chemical industries)
(Hungary--Chemistry)

POLINSZKY, Karoly

"Handbook for chemists" by Miklos Preisich. Reviewed by Karoly Polinszky. Magyar kem lap 15 no.8:379-380 Ag '60.

1. "Magyar Kemikusok Lapja" szerkeszto bizottsaganak tagja.

POLINSZKY, Karoly

"Coal, coke and gas investigations" by Margit Weltner. Reviewed by
Karoly Polinszky. Magy kem lap 15 no.9:419 '60

1. "Magyar Kemikusok Lapja" szerkeszto bizottsagi tagja.

POLINSZKY, Karoly, dr., a kémiai tudományok kandidátusa; MEZEY, Barna; SARDY, Lorand; BAKOS, Miklos

Our 1961 Kossuth-prize winners. Magyar kem lap 16 no.4:145-146 Ap '61.

1. Veszpremi Vegyipari Egyetem dekanja, es "Magyar Kemikusok Lapja" szerkeszto bizottsagi tagja (for Polinszky). 2. Chinoin Gyogyszer Vegyeszeti Termekek Gyaranak fomerneke (for Mezey) 3. "Biogal" Gyogyszergyar fomerneke (for Sardy) 4. Szerkesztosegi titkam, "Magyar Kemikusok Lapja" (for Bakos)

SZADECZKY-KARDOSS, Elemer; ZSEBOK, Zoltan, dr.; RUSZNYAK, Istvan, dr.;
 ANTALFFY, Gyorgy, dr.; BIHARI, Otto, dr.; CHOLNOKY, Laszlo, dr.;
 GRUBER, Jozsef, dr.; HAY, Laszlo, dr.; KESZTYUS, Lorand, dr.;
 MAGYARI, Andras, dr.; ORTUTATY, Gyula, dr.; PERENYI, Imre, dr.;
 PETRI, Gabor, dr.; POLINSZKY, Karoly, dr.; RAPCSAK, Andras;
 TORO, Imre, dr.; ZAMBO, Janos, dr.

Peace to the world! An appeal by the Committee on Science of
 the National Peace Council. Term tud kozl 6 no.6:241 Je
 '62.

1. Orszagos Beketanacs Tudomanyos Bizottsaganak elinoke (for Szadeczky-Kardoss).
 2. Orszagos Beketanacs Tudomanyos Bizottsaganak titkara (for Zsebok).
 3. Magyar Tudomanyos Akademia elnoke (for Rusznyak).
 4. Szegedi Tudomanyegyetem rektora (for Antalffy).
 5. Pecs Tudomanyegyetem allamjogi karanak dekanja (for Bihari).
 6. Pecs Orvostudomanyi Egyetem rektora (for Cholnoky).
 7. Budapesti Muszaki Egyetem rektora (for Gruber).
 8. Marx Karoly Kozgazdasagtudomanyi Egyetem rektora, Budapest (for Hay).
 9. Kossuth Lajos Tudomanyegyetem rektora, Debrecen (for Kesztyus).
 10. Agrartudomanyi Egyetem rektora (for Magyar).
 11. Eotvos Lorand Tudomanyegyetem rektora (for Ortutay).
 12. Epitoipari es Kozlekedesi Muszaki Egyetem rektora (for Perenyi).
 13. Szegedi Orvostudomanyi Egyetem rektora (for Petri).
 14. Veszpremi Vegyipari Egyetem dekanja (for Polinszky).
- (To be continued)

L 35395-66

ACC NR: AP6026842

SOURCE CODE: FIJ/0025/66/025/003/0211/0223

AUTHOR: Polinszky, Karoly

ORG: Department of Chemical Technology, University for the Chemical Industry, Veszprem (Veszpremi Vegyipari Egyetem Kemiai Technologiai Tanszeke); Research Institute for Technical Chemistry, MTA, Budapest (MTA, Muszaki Kemiai Kutato Intezete); Research Institute for Technical Chemistry, MTA, Veszprem (MTA, Muszaki Kemiai Kutato Intezete)

TITLE: Some problems pertaining to the intensification of chemical processes

SOURCE: MTA. Kemiai tudomanyok osztalyanak kozlomenyei, v.25, no.3, 1966, 211-223

TOPIC TAGS: chemical conference, chemical reaction

ABSTRACT: This article is the text of the author's lecture delivered at the 16 Nov. 1965 meeting of the Hungarian Academy of Sciences on the occasion of his assuming the Corresponding Member's status. A summarizing review was made of the means available for the intensification of chemical processes. Examples of the implementation of such means were described. Orig. art. has: 2 figures [JPRS: 36,464]

SUB CODE: 07, 05 / SUBM DATE: 18Dec65 / ORIG REF: 028 / OTH REF: 007

Card 1/1

SZABO, Zoltan, egyetemi tanar; POLINSZKY, Karoly, a kémiai tudományok doktora; MATOLCSY, Kalman, a kémiai tudományok kandidátusa; LEVAY, Gyula; NAGY, Ferenc, a kémiai tudományok doktora; BERECS, Endre, a kémiai tudományok kandidátusa docens; KORACH, Mor, ~~akadémikus~~; LENGYEL, Sandor, a kémiai tudományok doktora; SCHAY, Geza, akadémikus, egyetemi tanar; ERDEY-GRUZ, Tibor, akadémikus

1. Problems of and experiences with coordinating the main task of the long-range research entitled "Investigation of the mechanism of chemical processes as well as the regularities of chemical industrial operations." Kem tud kozl MTA 20 no.2: 199-229 '63.

1. Magyar Tudományos Akadémia levelezo tagja; "A Magyar Tudományos Akadémia Kémiai Tudományok Osztályának Közleményei" szerkeszto bizottsagi tagja (for Szabo). 2. Veszpremi Vegyipari Egyetem rektora; "A Magyar Tudományos Akadémia Kémiai Tudományok Osztályának Közleményei" szerkeszto bizottsagi tagja (for Polinszky). 3. Magyar Tudományos Akadémia Központi Kémiai Kutató Intézete igazgatóhelyettese (for Nagy). 4. Eötvös Loránd Tudományegyetem Fizikai Kémiai és Radiológiai Tanszéke. 5. Magyar Tudományos Akadémia Muszaki Kémiai Kutató Intézetének igazgatója; "A Magyar Tudományos Akadémia Kémiai Tudományok Osztályának Közleményei" szerkeszto bizottsagi tagja (for Korach). 6. Akadémia Elektrokémiai Kutató Csoport vezetője; "A Magyar Tudományos Akadémia Kémiai Tudományok Osztályának Közleményei" szerkeszto bizottsagi tagja (for Lengyel).
(cont. on next card.)

POLINSZKY, Karoly, dr., dekan

Chemical and technological investigations of iron oxide pigments with special regard to iron oxide yellow. Veszprem vegyip egy kozl 3 no.1/4:269-270 '59.

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek.

FOLINSZKY, Karoly, dr., dekan

Investigations in the field of chemistry and technology of iron oxide pigments with special regard to iron oxide yellow. Veszpremi vegyip egy kozl 4 no.1:1-13 '60.

1. Veszpremi Vegyipari Egyetem Kemia Technologia Tanszek.

POLINSZKY, Karoly, dr., dekan

Recent investigations in the field of the chemistry and technology of iron oxide pigments. Veszprem vegyip egy kozl 5 no.4: 321-327 '61

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek.

POIINSZKY, Karoly, dr.

Training of chemical engineers at the Veszprem University
of the Chemical Industry. Epiteanyag 15 no.2/3:79-82 F-Mr '63.

1. Veszpremi Vegyipari Egyetem rektora.

POLINSZKY, Karoly

Training of chemical engineers at the Veszprem University of Chemical Industries. Magy kem lap 18 no.2/3:53-57 P-Mr '63.

1. Veszpremi Vegyipari Egyetem rektora; "Magyar Kemikusok Lapja" szerkeszto bizottsagi tagja.

POLINSZKY, Karoly, a kémiai tudományok doktora; KLIMENT, Gyorgyne;
BAUMANN, Miklos

An account of the CHISA congress in Brno. Kem tud kozl
MTA 19 no.2:273-276 '63.

1. Magyar Tudományos Akadémia Műszaki Kémiai Kutató Intézete,
Budapest-Veszprém. 2. "A Magyar Tudományos Akadémia Kémiai
Tudományok Osztályának Közleményei" szerkesztő bizottsági
tagja.

POLINTA, S. E.

Smirnov, N. I. and Polinta, S.E., The dropping of a liquid into the medium of another liquid or into a gaseous medium. P. 1137.

On the basis of the theory of dimensions the relation is established between the values which determine the process of formation of drops of liquid during its outflow into another liquid medium. On the basis of experimental data a formula is offered which expresses this relation for the systems in a wide interval of specific gravities, surface tensions and for a wide interval of diameters of tubes through which the outflow occurs.

The Leningrad Technological Institute
May 14, 1948.

SO: Journal of Applied Chemistry (USSR) 21, No. 11 (1948).

POLEINYAYEV, G.M.

Geographical aspects of the rice industry in Western Siberia.
Sov. Inst. geog. Sib. i Dal'. Vost. no.6:81-86 '64.

(MJRA 18:10)

POLIOXIETILENA, A.

New achievements in the field of plastic materials. III. p. 175.

INDUSTRIA USOARA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din
România si Departamentul Industriei Usoare din Ministerului Industriei
Bunurilor de Consum) Bucuresti, Rumania; Vol. 6, no. 5, May 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 9, ^{Sept.} 1959

Uncl.

IVCHENKO, Anatoliy Georgiyevich; ROKHLENKO, Mikhail Abramovich;
SMOLENSKIY, Boris Lipovich ; NATALICH, D.D., inzh.,
retsenzent; VUL'FSON, D.L., inzh., red.; POLIPENKO, Yu.P.,
inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Modernization of universal metal-cutting equipment] Moderni-
zatsiia universal'nogo metallorezhushchego oborudovaniia.
Moskva, Mashgiz, 1962. 153 p. (MIRA 15:7)
(Machine tools--Technological innovations)

PCPOVA, Lyudmila Alekseyevna; FOLIS, A. [translator]; VITOLINS, G., red.;
KIRULE, E., tekhn. red.

[Chicken pox in children] Veja bakas. Riga, Latvijas Valsts izdevnieciba, 1960. 12 p. [In Latvian translated from the Russian]

(MIRA 14:12)

(CHICKEN POX)

RABEN, A.S., kand. med. nauk; POLIS, A. [translator] VITOLINS, G., red.;
MIRONOV, A., tekhn. red.

[Furuncles and furunculosis] Furunkuli un furunkulose. Rīga, Latvijas Valsts izdevniecība, 1960. 34 p. [In Latvian translated from Russian] (MIRA 14:12)

(FURUNCULOSIS)

POIIS, A. (Riga)

Correlation of social and natural factors influencing the
vital activities of the human organism. Vest. AMN SSSR 21
no.1:20-24 '66. (MIRA 19:1)

POLIS, L.

KLIMENKO, K., doktor ekonom.nauk (Moskva); GUBENKO, V. (Moskva);
KATSENELINBOYGEN, A., mladshiy nauchnyy sotrudnik (Moskva);
LUKASHINA, Ye. (Moskva); POLIS, L. (Moskva).

Calculating cost with automation. Bukhg.uchet 14 no.11:39-43
N '57. (MIRA 10:11)

1. Glavnyy bukhgalter zavoda imeni Ukhtomskogo (for Gubenko).
2. Institut ekonomiki AN SSSR (for Katsenelinboygen). 3. Starshiy bukhgalter kuznechno-pressovogo tsekha zavoda imeni Ukhtomskogo (for Lukashina). 4. Starshiy ekonomist kuznechno-pressovogo tsekha zavoda imeni Ukhtomskogo (for Polis).
(Automation) (Agricultural machinery industry--Costs)

GLUSZCZ, Andrzej; POLIS, Zgibniew; WALESZKOWSKI, Jerzy

Familial syndrome of generalized dysplasia of the connective and vascular system associated with vascular neoplasms (angioblastoma) of the spinal canal. Pat. pol. 14 no.1:41-54 '63.

1. Z Kliniki Neurochirurgii AM w Lodzi Kierownik: prof. dr med. Jerzy Szapiro Z Przyklinicznej Pracowni Histopatologicznej Kierownik: dr med. A. Gluszczy Opiekun: prof. dr med. A. Pruszczyński.

(ANGIOMATOSIS) (VASCULAR DISEASES)
(CONNECTIVE TISSUE) (SPINAL CANAL)
(ABNORMALITIES) (PATHOLOGY)

WALESZKOWSKI, Jerzy; POLIS, Zbigniew

On cases of tumors in the cervical segment of the spinal canal.
Neurol. etc., polska 11 no.3:341-349 '61.

1. Z Kliniki Neurochirurgii AM w Lodzi Kierownik: doc. dr med.
J. Szapiro.

(SPINAL CANAL neopl)

114

COMMON ELEMENTS

COMMON VARIABLE INDICES

1ST AND 2ND GROUPS

PROCESSES AND PROPERTIES INDEX

*C₂H₂Cl₂ poisoning. E. G. Tkachenko and P. B. Polinskov. *Voenno-Sanit. Delo* 1940, No. 8-9, 65-7; *Chem. Zvesti*, 1941, II, 2108. —C₂H₂Cl₂ irritates the mucosa just as tri- and tetrachloroethane or CCl₄. It also affects the central nervous system. Small amts. of it have a narcotic effect. Cases of poisoning can be treated by blood transfusion, skin irritation, injection of caffeine, strychnine or hy measures used in asphyxiation from war chemicals. The dichloroethane content of the air should not exceed 0.03 mg. per l. T. Laanes*

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND GROUPS

COMMON ELEMENTS

COMMON VARIABLE INDICES

1ST AND 2ND GROUPS

COMMON ELEMENTS

COMMON VARIABLE INDICES

POLISADOV, P.V. (Kazan')

Significance of measuring the pressure in temporal and
occipital arteries in patients with headaches. Kaz.
med. zhur. no.1:25-26 Ja-F'63. (MIRA 16:8)
(HEADACHE) (BLOOD PRESSURE--MEASUREMENT)

FOLISADOV, F. V.

20153 FOLISADOV, F. V. Otsenka razlichnykh fizicheskikh metodov lecheniya pri poyasvichno-kresttsevykh radikulitakh. Sbornik trudov vracheb.-san srushby kazansk. zh. d., vyp. 2, 1948, s. 57-63.-Bibliogr: 12 NAZV.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

SMIRNOV, I.M. (Kuybyshev - obl.); SALAMATINA, V.V. (Kazan'); IVANOV, A.A. (Chistopol'); DORMIDONTOV, Ye.N.; VORONINA, A.V., studentka 6 kursa; POLISADOV, P.V. (Kazan')

Takayasu's disease. Kaz.med.zhur. 40 no.5:111-115 8-0 '59.
(MIRA 13:7)

(PULSE)

POLISADOV, P.V. (Kazan')

Two cases of so-called congenital myotonia (Thomsen's disease).
Kaz. med. zhur. no.1:71-72 Ja-F '62. (MIRA 15:3)
(MYOTONIA)

ACC NR: AP7005393

(A)

SOURCE CODE: UR/0148/67/000/001/0066/0068

AUTHOR: Polisadov, V. N.; Sidorenko, M. F.; Gladkov, M. I.; Barantseva, Z. V.; Galunenko, I. P.

ORG: Moscow Evening Metallurgical Institute (Moskovskiy vecherniy metallurgicheskiy institut)

TITLE: Effect of rare earth metals on the properties of steel in the liquid and solid states

SOURCE: IVUZ. Chernaya metallurgiya, no. 1, 1967, 66-68

TOPIC TAGS: alloy steel, ferroalloy, rare earth metal, impact strength

ABSTRACT: The authors study the effect which ferrocerium (60% Ce, 25% La, the remainder--other rare earth metals) and an alloy of rare earth metals with a high lanthanum concentration (60% La, 25% Ce, the remainder--other rare earth metals) have on the properties of 40KhL and 35GL acid steels in the liquid and solid states. It was found that the kinematic viscosity of 40KhL steel containing ferrocerium admixtures increases with the concentration of nonmetallic inclusions, sharp-angled alumina inclusions having the strongest effect. Metal treated with ferrolanthanum admixtures has a somewhat lower kinematic viscosity, especially at high temperatures. The overall concentration of nonmetallic inclusions, and especially alumina, is also lower in steel

Card 1/2

UDC: 669.15-194:669.26:669.74:669.85/.86

ACC NR: AP7005393

with ferrolanthanum impurities. This is due to the higher deoxidizing capacity of lanthanum in comparison with cerium which reduces the concentration of oxygen dissolved in the molten metal and also improves conditions for elimination of oxide inclusions. Lanthanum is more effective than cerium in increasing the impact strength of 35GL steel. The introduction of rare earth metals into steel in quantities exceeding the optimum values has a detrimental effect on the mechanical properties of the metal. Orig. art. has: 5 figures.

SUB CODE: 11/ SUBM DATE: 10May66/ ORIG REF: 03/ OTH REF: 01

Card 2/2

1954-1955, V. V. --"Malleable Ferrite-Martensite Cast Iron as an Anti-friction Material."
Dissertations for Degrees in Science and Engineering Defended at USSR Military Scientific and
Institutions/ Min of Higher Education USSR, Moscow Order of Labor Red Banner Order for
Steel from I. V. Stalin, Moscow, 1955

30: Knizhnyy Letopis', No. 25, 18 Jan 55

* For Degree of Doctor of Technical Sciences

L 17458-93

(EWP(q)/EWT(m)/BDS AFFTC/ASD JD

ACCESSION NR: AP3004788

S/0129/63/000/008/0054/0055 56
55

AUTHOR: Polisadov, V. N.

TITLE: Properties of 35 GL steel containing rare earth metals and boron 16 27

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 8, 1963, 54-55

TOPIC TAGS: 35 GL steel, rare earth metal, boron, AMS deoxidizing agent, manganese, B, Mn

ABSTRACT: Authors studied the effects of a complex reducer of the AMS type and an alloy of the mischmetal and boron type upon the properties of 35 GL acid steel. The steel was melted in an acid electric furnace of 3 ton capacity. Prior to tapping, the steel was reduced by the AMS deoxidizing agent. Amount of reducer was 0.5% by calculation. Manganese was placed into the ladle during tapping in order to alloy the steel. Authors found that rare earth metals manifest a most remarkable effect upon the plasticity and impact toughness of a steel. A lesser effect is noted with strained steel. Rare
Card 1/2

L 17458-63

ACCESSION NR: AP3004788

earth metals aid in the elimination of sulfur from the steel and contribute to a more uniform distribution of the sulfur remaining in the steel. Rare earth elements reduce the non-metallic inclusions in cast steel. The effect of rare earth metals upon improving cast steel is most pronounced when the AMS reducer and mischmetal are put in simultaneously. The introduction of 1.6 kg of boron per 1 ton of steel exhibits an insignificant effect upon the mechanical properties of 35 GL steel. On the other hand, the steel's hardenability is doubly increased. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: Moskovskiy vecherniy metallurgicheskiy institut
(Moscow evening metallurgical institute)

SUBMITTED: 00

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: ML, EL

NO REF SOV: 000

OTHER: 000

Card 2/2

POLISADOV, V.N.

Properties of 35GL steel with additions of rare-earth metals
and boron. Metalloved. i term. obr. met. no.8:54-55 Ag '63.
(MIRA 16:10)

1. Moskovskiy vecherniy metallurgicheskiy institut.

POLISADOV, V.N.

Low-alloy manganese steel for castings. Lit. proizv. no.9:14-16
S '61. (MIRA 14:9)
(Manganese steel) (Foundries--Equipment and supplies)

ACC NR: AI7002545

(A,N)

SOURCE CODE: UR/0413/66/000/023/0027/0027

INVENTORS: Polisadov, V. N.; Karavayev, A. G.; Barantseva, Z. V.; Svidnitskiy, T. V.;
Zalavskiy, N. A.; Polisadov, V. V.

ORG: none

TITLE: Synthetic slag. Class 18, No. 189002

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 27

TOPIC TAGS: synthetic slag, rare earth metal, *CALCIUM OXIDE, ALUMINA, FLUORITE*

ABSTRACT: This Author Certificate presents synthetic slag containing calcium oxide, alumina, and fluorspar. To desulfurize acid steel, the slag contains 58--62% - calcium oxide, 30--40% - alumina, and 5--10% - fluorspar. The slag contains 0.18--0.25% rare-earth metals. These rare-earth metals are taken in the following proportions (in terms of 100 parts by weight): cerium - 60, lanthanum - 20, neodymium and praseodymium - 10, and iron - remainder.

SUB CODE: 11/ SUBM DATE: 23Oct65

Card 1/1

UDC: 669.046.587

ACC NR: AP7002545

(A,N)

SOURCE CODE: UR/0413/66/000/023/0027/0027 /

INVENTORS: Polissadov, V. N.; Karavayev, A. G.; Barantseva, Z. V.; Svidnitskiy, T. V.;
Zalavskiy, N. A.; Polissadov, V. V.

ORG: none

TITLE: Synthetic slag. Class 18, No. 189002

SOURCE: Izobretoniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 27

TOPIC TAGS: synthetic slag, rare earth metal, *CALCIUM OXIDE, ALUMINA, FLUORITE*

ABSTRACT: This Author Certificate presents synthetic slag containing calcium oxide, alumina, and fluorspar. To desulfurize acid steel, the slag contains 58--62% - calcium oxide, 30--40% - alumina, and 5--10% - fluorspar. The slag contains 0.18--0.25% rare-earth metals. These rare-earth metals are taken in the following proportions (in terms of 100 parts by weight): cerium - 60, lanthanum - 20, neodymium and praseodymium - 10, and iron - remainder.

SUB CODE: 11/ SUBM DATE: 230ct65

Card 1/1

UDC: 669.046.587

POLISAR, G. L.

PA 18T3

USSR/Aircraft - Aerodynamics
Dynamic

Jul 1947

"Electrical Methods of Solving Some Dynamics
Problems of Aircraft," G. L. Polisar, Candidate,
Technical Sciences, 3 pp

"Tekhnika Vozdushnogo Flota" No 7 (232)

Prof L. I. Gutenmakher developed at the Electrical
Model Laboratory, Electrical Institute of Academy
of Sciences, a new electro-integrator using a
system of six differential equations instead of the
usual 12. Mathematical formulae and their appli-
cation to problems of dynamics.

18T3

POLISAR, G. L.

"New Electrical Integrators Used in Solving Shipbuilding Problems,"
Sudostroyeniye, No.1, 1948

POLISAR, G. L.																									
PROCESSES AND PROPERTIES INDEX																									
3647. Realization of matrices by amplifiers and the solution thereby of systems of differential equations. POLISAR, G. L. AND KORDONOV, N. V. <i>Elektronika</i> (Mosc. 77 80) (July, 1948) In Russian. Many problems involve the solution of systems of ordinary differential equations with constant coefficients. These can be expressed in matrix form and a suggestion of L. I. Gutenmacher leads to experimental methods for their solution. A network capable of handling 12 equations is described, consisting of 6 amplifiers each with an output potentiometer feeding 6 conductance-capacitance parallel-connected circuits. The conductances represent the invariable terms and the capacitances the terms associated with the differential operator in the matrices; the magnitudes of the matrix terms are represented by the positions of the potentiometer feeding points. Adjustments are controlled by observation of a c.r. display. The use of the apparatus is illustrated by the solution of two																									
NUMERICAL examples. B.H.																									
ALSO SEE METALLURGICAL LITERATURE CLASSIFICATION																									

POLISAR, G. L.

PA 11/49T39

USSR/Electronics
Computers
Systems, Electrical

Aug 48

"Combination of Computing and Analyzing Equipment
to Form a Model With Irreplaceable Items for Use in
Measuring the Dynamic Performance of Complex Systems,"
G. L. Polisar, Power Eng Inst imeni G. M.
Khrzhizhanovskiy, Acad Sci USSR, 3 $\frac{1}{2}$ pp

"Dok Ak Nauk SSSR" Vol LXI, No 4

Elec Modeling Lab has devised new method of in-
vestigating dynamic conditions of complex systems.
Describes principle of operation and gives some
numerical results. Submitted 19 Apr 48.

11/49T39

PCLISAR, G. L.

Issledovanie nelineinykh sistem avtoregulirovaniia metodom sochetaniia ispytuemykh obektov s elektroiintegratorom. (Akademiia Nauk SSSR, Izvestiia. Otdelenie tekhnicheskikh nauk, 1949, no. 3, p. 384-395, tables, diagrs., bibliography)

Title tr.: Investigation of nonlinear systems of automatic control by the method of combination of tested objects with the electrointegrator.

Reviewed by W. W. Soroka in Applied Mechanics Reviews, 1950, v. 3, no. 2, item 201.

AS262, A6244 1949

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

USSR/Mathematics - Computations, 11 Sep 50
Models
Electricity - Power Transmission

"Problems Concerning Flow Distribution in Complex Thermal Networks and Their Solution on Electrical Models," G. L. Polisar, V. Ya. Khasilev

"Dok Ak Nauk SSSR" Vol LXXIV, No 2, pp 243-246

Subject problems on heat-carrying fluids in pipes were solved on models in ENIN (Power Eng Inst) with error less than 2.5% L. I. Andriyevskaya and L. V. Lokteva aided in

174T35

USSR/Mathematics - Computations, 11 Sep 50
Models
(Contd)

computations; Profs E. A. Meyerovich and L. A. Melent'yev were consulted. At VODGEO (All-Union Sci Res Inst of Water Supply, Sewer Systems, Hydraul Eng Constr and Eng Hydrogeol) electromech terms were developed to give nonlinear dependence between flow and pressure. Submitted 8 Jul 50 by Acad A. V. Vinter.

174T35

PA 174T35

POLISAR, G. L.

ICILS/AR G. L.

IA 172T34

USSR/Mathematics - Approximations, Computer 1 Oct 50
Computers, Digital

"Synthesis of Mathematical Machines and of Real Ob-
jects," G. L. Polisar, Power Inst, Acad Sci USSR
imeni Krzhizhanovskiy

"Dok Ak Nauk SSSR" Vol LXXIV, No 4, pp 711-714

Considers possibility, in principle, of combining (a)
discrete-action math mach /digital computers/ with (b)
objects to be tested to investigate dynamic states of
complex systems. Problem first considered by author in
"Tekh Vozdush Flota" No 7, 1947, and "Dok Ak Nauk SSSR"
Vol LXI, No 4, 1948. Submitted 29 Jul 50 by Acad
A. V. Vinter.

172T34

178T105

POLISAR, G. L.

USSR/Physics - Nonlinear Elements
Electricity - Thermistors

21 Jan 51

"Certain Peculiarities of the Characteristics of
Thermistors as Elements of Nonlinear Models,"
G. L. Polisar, L. V. Lokteva, Power Eng Inst
imeni Krzhizhanovskiy, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXVI, No 3, pp 403-406

Investigates coeff K of nonlinearity in the for-
mula $U = KI^a$ (where a is exponent of nonlinear-
ity, U is potential, and I is current) for vari-
ous voltages and frequencies. Submitted 23 Nov
50 by Acad A. V. Vinter.

178T105

POLISAR, G.L.; STERLIGOV, V.L., red.; SOLOMONIK, R.L., tekhn. red.

[Modeling]Modelirovanie. Moskva, Voenizdat, 1963. 119 p.
(MIRA 16:10)

(Electromechanical analogies) (Electronic computers)
(Similitude, Theory of)

LOSEV, David Platonovich; POLISAR, Grigoriy-Leyzerovich; FILIMONOV, Yuriy Polikarpovich; AFOSHIN, A.N., kand. tekhn.nauk, retsen-zent; SAVCHENKO, L.T., inzh., retsenzent; SMIRNOV, A.S., kand. tekhn. nauk, nauchnyy red.; LESKOVA, L.R., red.; KRYAKOVA, D.M., tekhn. red.

[Elements and networks of contactless remote control devices]
Elementy i uzly beskontaktnykh telemekhanicheskikh ustroystv.
Elementy i uzly beskontaktnykh telemekhanicheskikh ustroystv.
Leningrad, Sudpromgiz, 1962. 246 p. (MIRA 15:12)
(Remote control) (Pulse techniques (Electronics))

3C

Preparation of potassium polyiodide from the system potassium iodide-iodine-benzene. J. A. Fialkov and A. B. Polischtschuk (Izv. Inst. Chem. Akad. Wiss. Ukrain., 1940, 7, 85-86). To a saturated solution of I in C_6H_6 , KI was gradually added at room temp., and the composition of the sediment determined. Two compounds were found, viz., $KI_3C_6H_5$ and $KI_3 \cdot 2C_6H_5$; polyiodides containing more I were not investigated. I. J. B.

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

POLISCUK, M.

"Hemp as a new medicinal plant." p. 168.

VESTNIK. Praha, Czechoslovakia, Vol. 6, No. 3, 1959

Monthly list of East European Accession Index (EEIA), Library of Congress,
Vol. 8, No. 7, July, 1959, Unclassified

CZECHOSLOVAKIA

POLISCUK, P., MD.

OUNZ (OUNZ), Hradec Kralove

Prague, Prakticky lekar, No 7, 1963, pp 256-258

"A Case of Third Degree X-Ray Dermatitis."

POLISENSKY, Frantisek

New equipment for the material handling in our enterprises.
Drevo 17 no.4:122-124 Ap '62.

1. Multar, Praha.

KUBAT, K.; POLISENSKY, J.

Society and child care in Czechoslovakia from the end of feudalism to the present. Cesk. pediat. 17 no.12:1112-1114 D '62.
(CHILD WELFARE)

POLISEMSKY, J.

"(News Not Known by Everybody, About An Old Czech) and Other Contributions
to the Ideology of Bohemia in the Time Before the Battle of White Mountain" P. 251
(CESKY LID, Vol. 40, No. 6, Dec. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC. Vol. 4, No. 4,
Apr. 1955, Uncl.

POLISHCHUK, Prof. A.

Trees-Wounds and Injuries

Tree salve. Kolkh. proizv. 12, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress November 1952 UNCLASSIFIED

POLISHCHUK, A.

At the Moscow Agricultural Machinery Plant. Sov. profsoiuzy 6
no. 11:52-53 S '58. (MIRA 11:10)
(Moscow--Agricultural machinery industry)

POLISHCHUK, Arkadiy.

They elected Zlava secretary. Rabotnitsa 36 no.3:10-11 Nr '58.
(Communist Youth League) (MIRA 11:3)

POLISHCHUK, A. (g. Elektrostal', Moskovskoy oblasti).

Designers join the competition. WFO no.5:15-16 My '59.
(MIRA 12:8)

(Elektrostal'--Machinery industry)

Ca

Preparation of potassium polyiodide from the system potassium iodide iodine benzene. Ya. A. Ivalkov and A. B. Polchuk. *Zapiski Inst. Khim.*, 11:42, 1962. R. S. R. 7, 1021m Russian, 1023; in German, 1024(1040). In prep. polyiodides from the system KI-I, C₆H₆, the reaction between KI and I₂ was produced by the periodic addition of KI to a solution of I₂ in C₆H₆. In the first series of expts. the mol. ratios of KI and I₂ were about 2.0 and in the second 2.3. In the last series the compn. of the polyiodide obtained was close to KI₄·2C₆H₆ and in the second KI₄·C₆H₆. B. Z. Kamich